



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, Florida
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera/

Kolbe & Kolbe Millwork Co., Inc.

1323 South 11th Ave.

Wausau, WI 54401

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Heritage Manor" 98⁵/₈" Outswing Glazed Wood Door - L.M.I.

APPROVAL DOCUMENT: Drawing No. 1061, titled "Wood Manor Series Impact Door", sheets 1 through 9 of 9, dated 04/10/2002, latest revision "B1", dated 10/12/2011, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren Schaefer, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series and following statement: "Miami-Dade County Product Control Approved" unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 07-0618.12 and consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
12/1/11

NOA No. 11-1020.04
Expiration Date: October 24, 2012
Approval Date: December 08, 2011
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No.02-0617.02)
2. Drawing No. **1061**, titled "Wood Manor Series Impact Door", sheets 1 through 9 of 9, dated 04/10/2002, latest revision "**B1**", dated 10/12/2011, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per SFBC, PA 201-94
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of 19 specimens of aluminum clad and non-clad wood doors and fixed/ transom, prepared by Architectural Testing, Inc., Test Report No. **ATI 06-30303.01**, dated 12/08/2001, signed and sealed by Steven Ulrich, P. E.
(Submitted under previous NOA No.02-0617.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 08/28/2007, signed and sealed by Warren W. Schaefer, P. E.
2. **Complies with ASTM E1300-98/ 04**
(Submitted under previous NOA No.07-0618.12)

D. QUALITY ASSURANCE

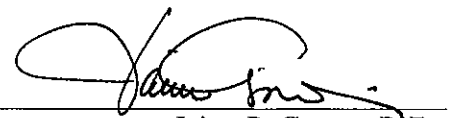
1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **07-0831.06** issued to Cardinal LG for their "**Laminated Glass Cardinal Sea-Storm Type B**", dated 10/11/2007, expiring on 12/30/2012.

F. STATEMENTS

1. Statement letter of conformance and compliance with the FBC-2010 and ANSI/ AAMA/ NWWDA 101/ I.S.2-97, dated 10/12/2011, signed and sealed by Warren W. Schaefer, P. E.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 11-1020.04
Expiration Date: October 24, 2012
Approval Date: December 08, 2011

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F. STATEMENTS (CONTINUED)

2. Statement letter of no financial interest and independence, dated 10/12/2011, signed and sealed by Warren W. Schaefer, P. E.
3. Statement letter of no financial interest, conformance and compliance with the FBC-2007, dated 04/15/2007, signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 07-0618.12)
4. Laboratory compliance letter for Test Report No. **ATI-06-30303.01**, issued by Architectural Testing, Inc., dated 12/08/01, signed and sealed by Steven Ulrich, P. E.
(Submitted under previous NOA No. 02-0617.02)

G. OTHERS

1. Notice of Acceptance No. **07-0618.12**, issued to Kolbe & Kolbe Millwork Co., Inc. for their Series "Heritage Manor Outswing Glazed Wood Door - L.M.I.", approved on 11/01/2007 and expiring on 10/24/2012.



Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 11-1020.04

Expiration Date: October 24, 2012

Approval Date: December 08, 2011

GENERAL NOTES:

1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT DOORS.
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
7. ALL ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
11. ALL WOOD MEMBERS OF DOORS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

ALLOWABLE DESIGN LOAD

FRAME HEIGHT	POSITIVE	NEGATIVE
82.6" OR LESS	70 PSF	70 PSF
TALLER THAN 82.6"	65 PSF	65 PSF

HINGE REQUIREMENTS

DOOR HEIGHT	# HINGES REQ'D
ALL SIZES	4

NOTE: BRICK MOLDS MAY BE PLACED AT EXTERIOR & ARE OPTIONAL (NOT SHOWN)

FRAME ANCHOR REQUIREMENTS TABLE

FRAME/SILL SCREWS			
OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
(2) MIN. C-90 CMU	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
MIN. 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2"

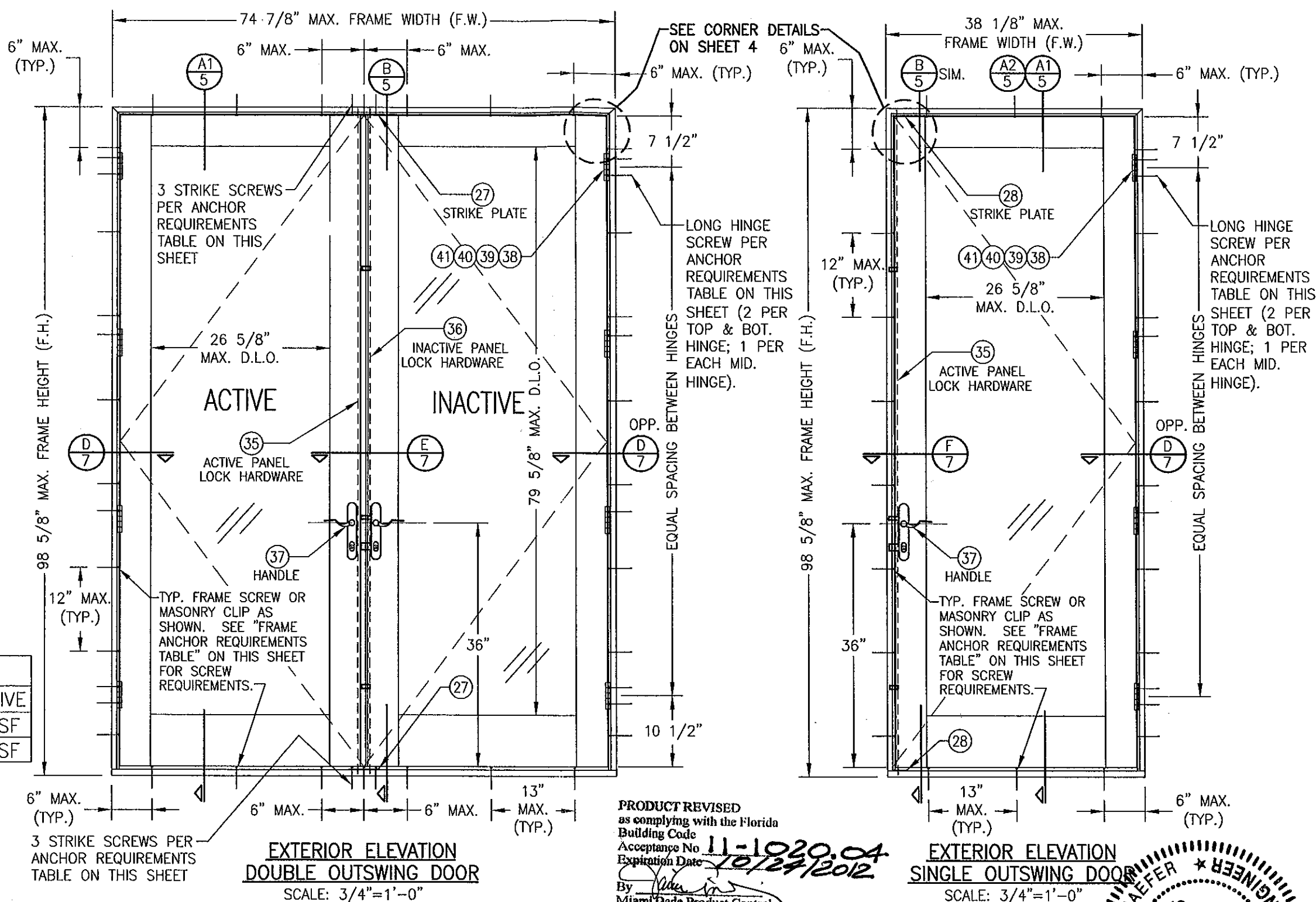
FRAME ANCHOR REQUIREMENTS TABLE

HINGE & STRIKE SCREWS			
OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
C-90 CMU/2500 PSI CONCRETE	(1) 3/16" CONCRETE SCREW	1 1/4"	2"

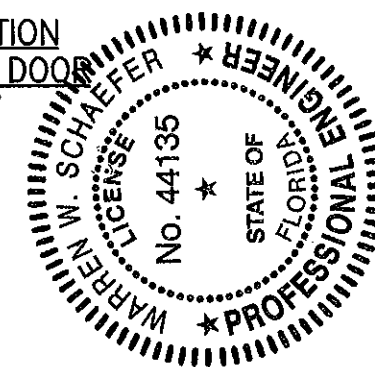
(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).

(2) CMU IS APPLICABLE AT SIDES ONLY.

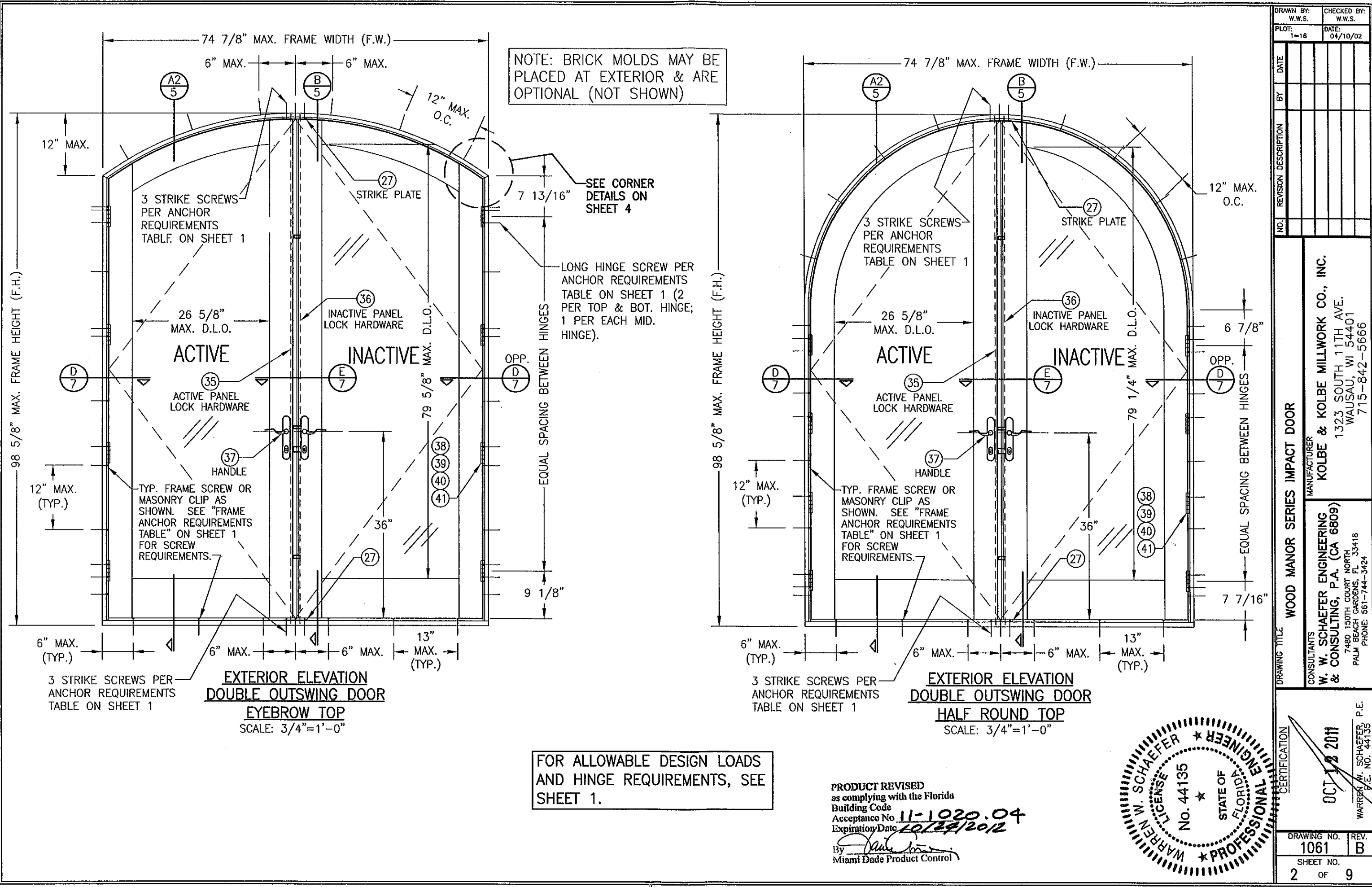
THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1020-04
Expiration Date 10/24/2012
By [Signature]
Miami Dade Product Control



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 04/10/02	
DATE	BY	REVISION	DESCRIPTION
08/28/07	W.R.M.	A1	UPDATE TO 2004 FBC
10/12/11	W.R.M.	B1	UPDATE TO CURRENT STANDARDS
WOOD MANOR SERIES IMPACT DOOR MANUFACTURER: KOLBE & KOLBE MILLWORK CO., INC. 1323 SOUTH 11TH AVE. WAUSAU, WI 54401 715-842-5666 CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
CERTIFICATION		OCT 12 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1061		REV. B	
SHEET NO. 1		OF 9	

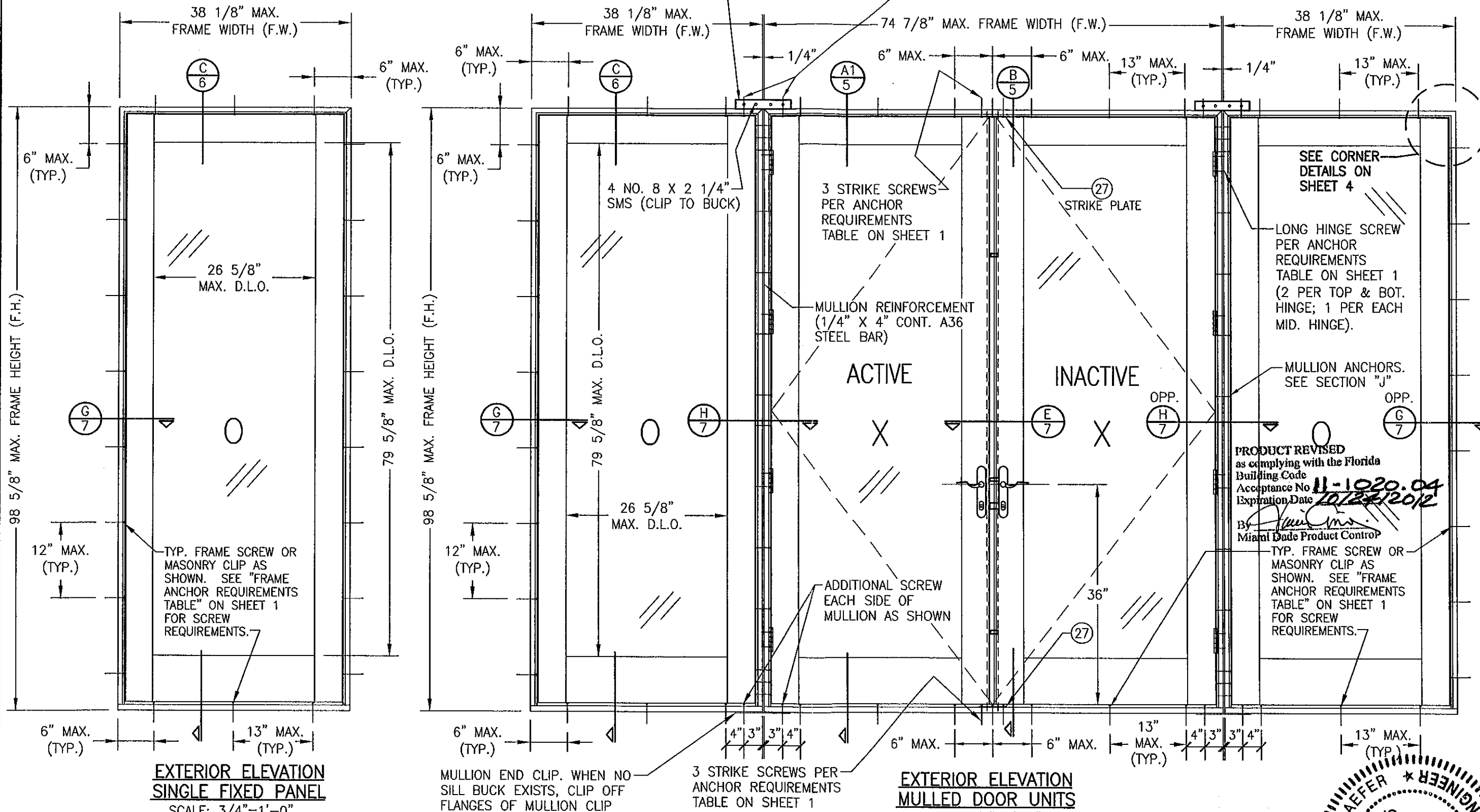


DRAWN BY: W.W.S.		CHECKED BY: W.W.S.		
PLOT: 1-16		DATE: 04/10/02		
NO.	REVISION	DESCRIPTION	BY	DATE
WOOD MANOR SERIES IMPACT DOOR				
CONSULTANTS		MANUFACTURER		
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		KOLBE & KOLBE MILLWORK CO., INC.		
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		1323 SOUTH 11TH AVE. WAUSAU, WI 54401 715-842-5666		
DRAWING TITLE				
WOOD MANOR SERIES IMPACT DOOR				
CERTIFICATION				
OCT 12 2011				
WARREN W. SCHAEFER, P.E. P.E. NO. 44135				
DRAWING NO. 1061		REV. B		
SHEET NO.				
2 OF 9				

NOTE: BRICK MOLDS MAY BE PLACED AT EXTERIOR & ARE OPTIONAL (NOT SHOWN)

26 SEE MULLION END CLIP DETAIL ON SHEET 6

ADDITIONAL FRAME ANCHOR EA. SIDE OF MULLION 4" INSIDE CORNER ANCHORS (IN ADDITION TO CLIP)



**EXTERIOR ELEVATION
SINGLE FIXED PANEL**
SCALE: 3/4"=1'-0"

**EXTERIOR ELEVATION
MULLED DOOR UNITS**
SCALE: 3/4"=1'-0"

THE FOLLOWING ARE APPROVED COMBINATIONS:
XX, OX, OO, OXO, XO, OOO, OXX, XXX, OXXO, XXOO, XOOX, OOOO, XXXX

NOTE: DOUBLE DOORS, SINGLE DOORS & FIXED PANELS MUST BE IN THEIR OWN SEPERATE FRAMES.

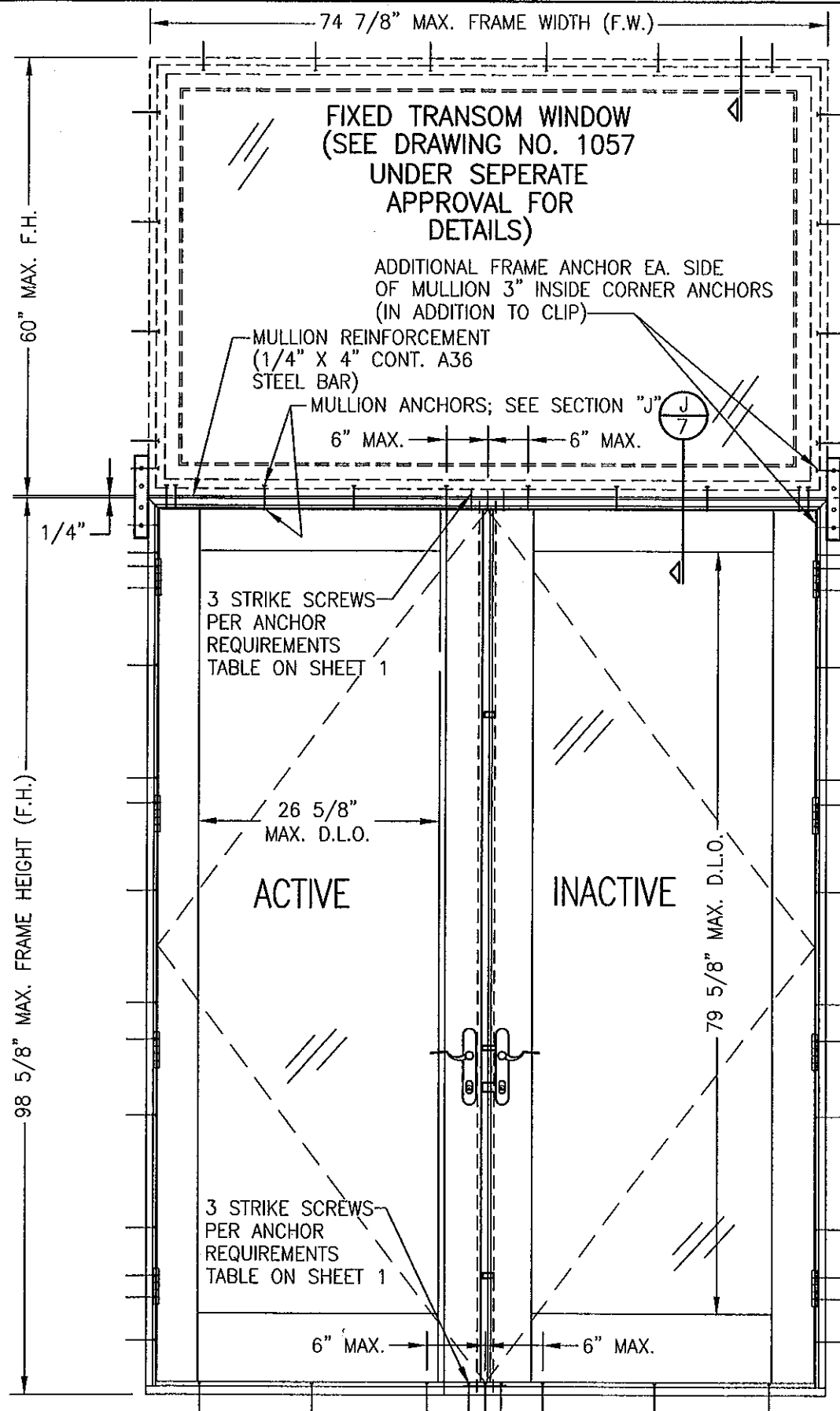
SEE OTHER ELEVATIONS FOR ANY DETAIL NOT SHOWN

FOR ALLOWABLE DESIGN LOADS AND HINGE REQUIREMENTS, SEE SHEET 1.

PRODUCT REVISED
as complying with the Florida
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By: [Signature]
Miami Code Product Control



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-16		DATE: 04/10/02	
DATE	BY	REVISION	DESCRIPTION
DRAWING TITLE: WOOD MANOR SERIES IMPACT DOOR			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER: KOLBE & KOLBE MILLWORK CO., INC. 1323 SOUTH 11TH AVE. WAUSAU, WI 54401 715-842-5666	
CERTIFICATION: OCT 12 2011		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1061		REV. B	
SHEET NO. 3		OF 9	

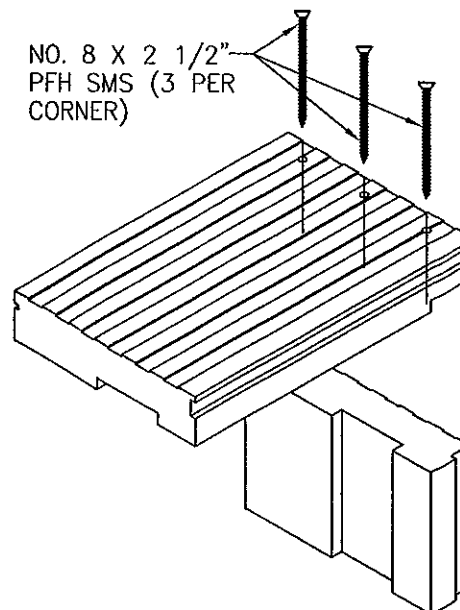


EXTERIOR ELEVATION
DOUBLE OUTSWING DOOR WITH TRANSOM

SCALE: 3/4"=1'-0"

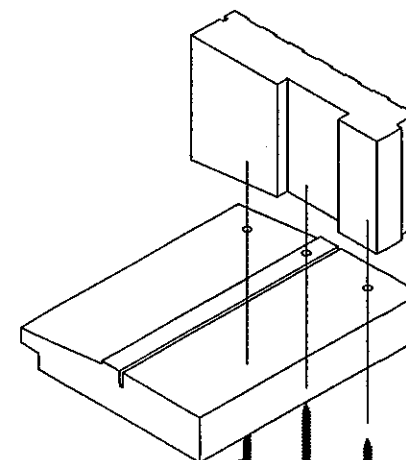
SEE ELEVATION ON SHEET 1 FOR ALL DOOR INFORMATION & REQUIREMENTS

FOR ALLOWABLE DESIGN LOADS
 AND HINGE REQUIREMENTS, SEE
 SHEET 1.



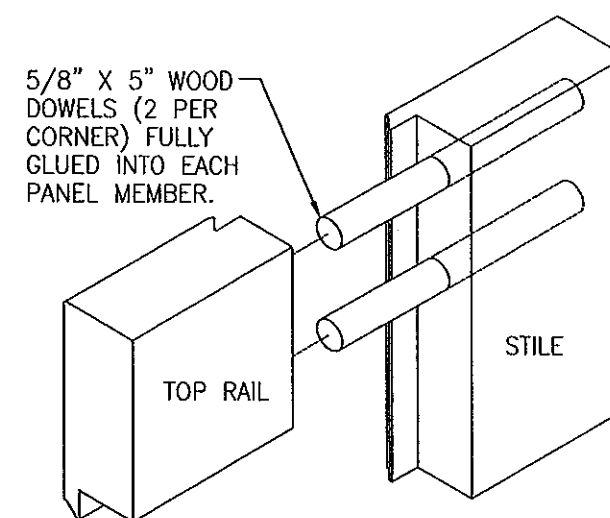
FRAME CORNER DETAIL

NOTE: FRAME MEETING SURFACES
 ARE SEALED WITH SILICONE.



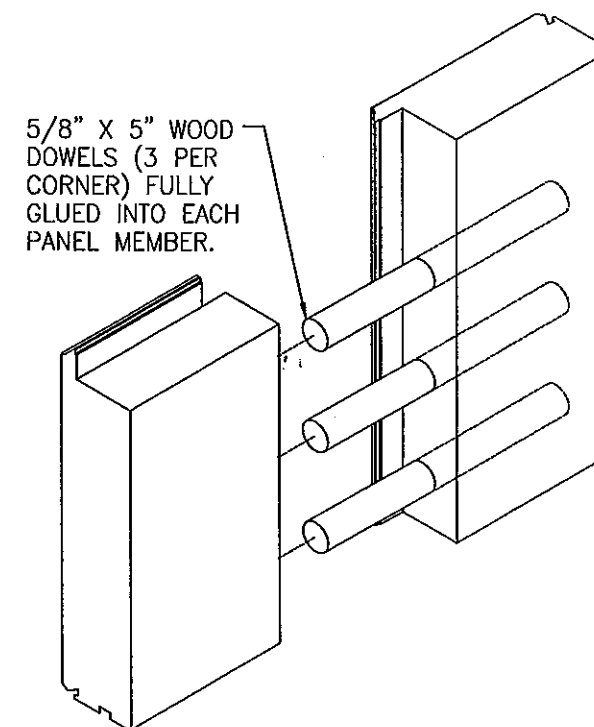
SILL CORNER DETAIL

NOTE: FRAME MEETING SURFACES
 ARE SEALED WITH SILICONE.



PANEL TOP CORNER DETAIL

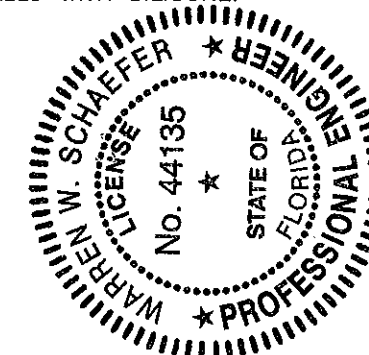
NOTE: STILE & RAIL MEETING SURFACES
 ARE SEALED WITH SILICONE. CLAD JOINT
 IS ALSO SEALED WITH SILICONE.




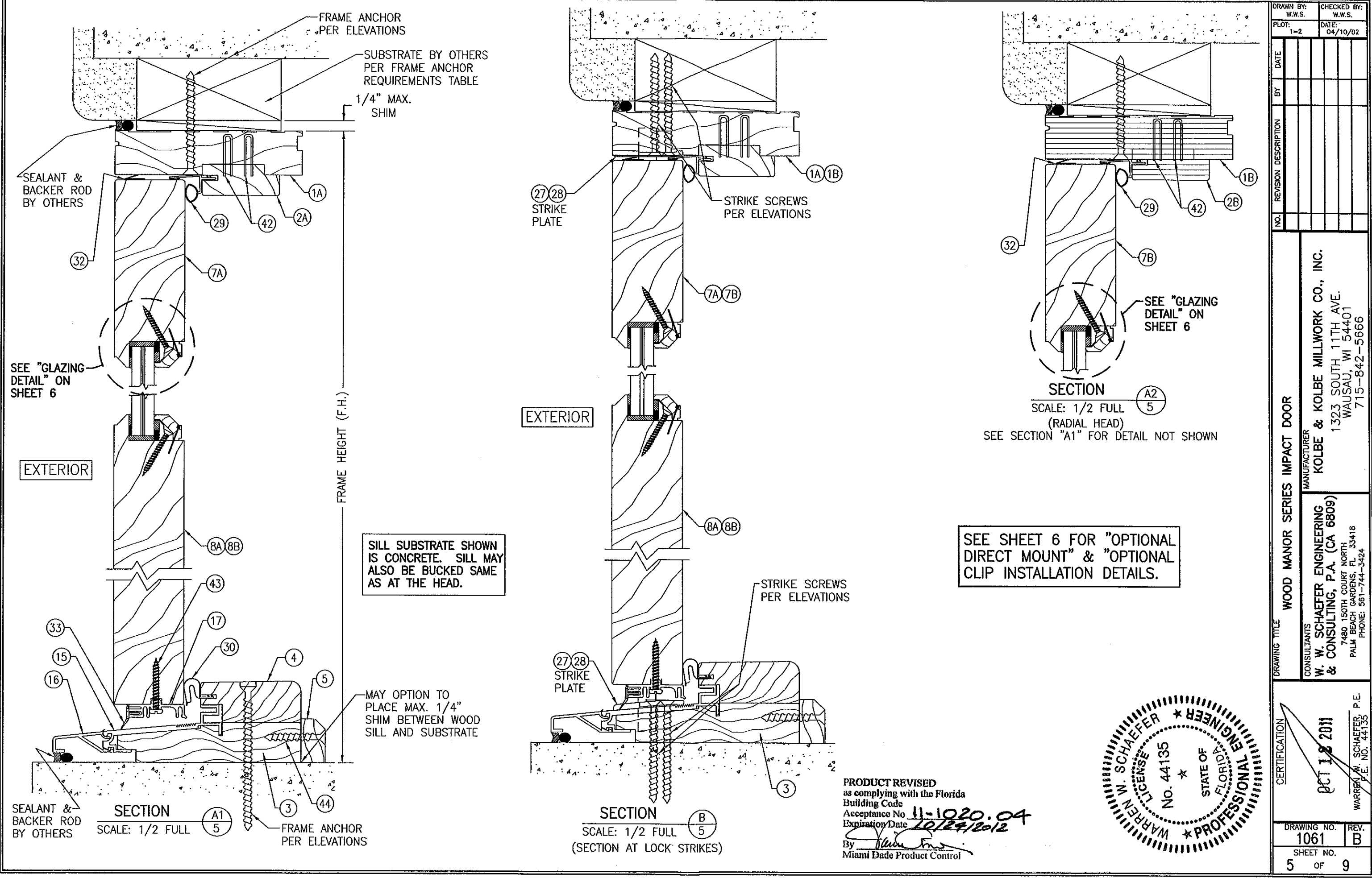
PANEL BOTTOM CORNER DETAIL

NOTE: STILE & RAIL MEETING SURFACES
 ARE SEALED WITH SILICONE. CLAD JOINT
 IS ALSO SEALED WITH SILICONE.

PRODUCT REVISED
 as complying with the Florida
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 By *[Signature]*
 Miami Dade Product Control



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.		
PLOT: 1-16		DATE: 04/10/02		
NO.	REVISION	DESCRIPTION	BY	DATE
DRAWING TITLE WOOD MANOR SERIES IMPACT DOOR				
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER KOLBE & KOLBE MILLWORK CO., INC. 1323 SOUTH 11TH AVE. WAUSAU, WI 54401 715-842-5666		
CERTIFICATION  OCT 12 2011 WARREN W. SCHAEFER, P.E.				
DRAWING NO. 1061		REV. B		
SHEET NO. 4 OF 9				



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 04/10/02	
NO.	REVISION	DESCRIPTION	DATE
1			
2			
3			
4			
5			
DRAWING TITLE: WOOD MANOR SERIES IMPACT DOOR			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)			
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
MANUFACTURER: KOLBE & KOLBE MILLWORK CO., INC. 1323 SOUTH 11TH AVE. WAUSAU, WI 54401 715-842-5666			
CERTIFICATION: OCT 18 2011			
DRAWING NO. 1061 REV. B			
SHEET NO. 5 OF 9			

